

## IN THE CLAIMS

Claims 1, 4, 16, 17, and 29 have been amended herein. Claims 32-36 have been added.

The following listing of claims will replace all prior versions, and listings, of claims in the application.

### Listing of Claims

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1. (Currently Amended) A method for exchanging information between providers and users of chemical compound products, said method comprising the steps of:
- providing a chemical compound data information server system, said server system being computer based and having data processing and storage capabilities and electronic communication connections that permit users to electronically connect their computer with said server system to exchange chemical compound information therebetween;
  - permitting [limited read/write/delete computer] access to said server system to approved suppliers [having chemical compound lots available for sale], and allowing said suppliers to upload to and remove from said server system chemical compound lot specification data and quantity data and corresponding chemical analysis data for each chemical compound lot;
  - permitting [read only computer] access to said server system to approved users desiring data on [available] chemical compound lots;
  - receiving chemical compound specification requirements from said users; and
  - providing an electronic listing to said user's computer including said chemical compound lot specification data for chemical compound lots that satisfy said chemical compound requirements specification of said users.

2. (Original) The method of claim 1 wherein said suppliers and said users access said server system using modem based telephone dial-up computer communication connections.

3. (Original) The method of claim 1 wherein said suppliers and said users access said server system via Internet service providers.

4. (Currently Amended) The method of claim 3 including the following steps:  
receiving [electronic COA document image data] a plurality of certificates of analysis from said suppliers and associating [said COA document image data] each of the certificates of analysis with a particular chemical compound lot specification received from said suppliers; and  
electronically displaying [said COA document image data] at least one of the certificates of analysis in conjunction with said providing step, and wherein [said COA document image data is] the at least one certificate of analysis is in printable form.

5. (Original) The method of claim 4 including the following steps:  
receiving critical contaminants data from said users identifying those contaminants of particular interest in said chemical compound requirements; and  
wherein said providing an electronic listing step includes sorting said listing of chemical compound lots in accordance with said critical contaminants data.

6. (Original) The method of claim 5 including the step of:  
sending electronic messages to said users concerning receipt of additional chemical compound lot specification data that meets said chemical compound requirements of said users.

7. (Original) The method of claim 6 wherein said electronic messages are email messages.

8. (Original) The method of claim 1 wherein said chemical compound lot specification data includes component chemical compound specification data for all chemical compounds used to produce said chemical compound lot, and wherein said providing an electronic listing step identifies those chemical compound lots that were produced using chemical compounds that fail to meet said chemical compound requirements of said users.

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9. (Original) The method of claim 1 including the following steps:  
providing chemical compound toxicity data listings to said user's computer for said chemical compound lots that satisfy said chemical compound requirements specification.

10. (Original) The method of claim 1 including the following steps:  
providing material safety data sheet information for said chemical compound lots that satisfy said chemical compound requirements specification.

11. (Original) The method of claim 1 including the following steps:  
receiving approved supplier lists from said users; and  
providing an electronic list of said chemical compound lots to said users that satisfy said chemical compound requirements specification of said users and that are available from suppliers found in said approved supplier list.

12. (Original) The method of claim 1 including the following steps:  
receiving chemical compound lot sale data from said suppliers including the name of the purchaser thereof for a particular chemical compound lot;  
receiving a chemical compound history tracking request from one of said users; and  
generating a chemical compound lot tracking history for said particular chemical compound lot detailing the history of said chemical compound lot including the source thereof, and all of said suppliers and said users known to have purchased or processed said particular chemical compound lot.

13. (Original) The method of claim 1 including the following steps:  
receiving chemical compound lot use and source data from said users;  
receiving a chemical compound history tracking request from one of said users;  
generating a chemical compound lot tracking history for said particular chemical compound lot detailing the history of said chemical compound lot including the source thereof, and all of said suppliers and said users known to have purchased or processed said particular chemical compound lot.

14. (Original) The method of claim 1 including the following steps:

receiving chemical compound lot reservation data from one of said users in response to said providing an electronic listing step and storing said chemical compound lot reservation data on said server, said chemical compound lot reservation data specifying a quantity to be reserved for a particular one of said chemical compound lots listed in said electronic listing; and

storing said chemical compound lot reservation data in conjunction with a corresponding one of said chemical compound lot specification data for later recall.

15. (Original) The method of claim 14 including the following step:

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sending an electronic reservation confirmation message to said one of said users in response to said receiving chemical compound lot reservation data step, said electronic reservation confirmation message describing said chemical compound lot and said quantity reserved for said one of said users.

16. (Currently Amended) Computing device for exchanging information between suppliers of chemical compound products and users desiring information on chemical compound products, said device comprising:

a server computer having data processing and storage capabilities;

electronic communication means connected to said server computer that enables said server computer to electronically communicate with computers operated by the users and exchange data therebetween;

and wherein said server computer performs the following steps:

permitting [limited read/write/delete computer] access to said server computer to

approved suppliers having chemical compound lots [available for sale], and allowing said suppliers to upload to and remove from said server system chemical compound lot specification data and quantity data and corresponding chemical analysis data for each of said chemical compound lots;

permitting [read only computer] access to said server computer to the users desiring data on [available] chemical compound lots;

receiving chemical compound specification requirements from the users; and

providing an electronic listing to the user's computer including said chemical compound lot specification data for chemical compound lots that satisfy said chemical compound requirements specification of the users.

17. (Currently Amended) The device of claim 16 wherein the server computer further performs the steps of:

receiving [electronic COA document image data] a plurality of certificates of analysis from said suppliers for each of said chemical compound lots and associating [said COA document image data] each of the certificates of analysis with a particular chemical compound lot specification received from said suppliers; and

transmitting [said COA document image data] at least one of the certificates of analysis to the user's computer upon receiving a request from the user's computer for [a COA] the at least one certificate of analysis [for] associated with a particular one of said chemical compound lots.

18. (Original) The device of claim 17 wherein the server computer further performs

the steps of:

receiving critical contaminants data from the users identifying those contaminants of particular interest in said chemical compound requirements; and

wherein said providing an electronic listing step includes sorting said listing of chemical compound lots in accordance with said critical contaminants data received from the users.

19. (Original) The device of claim 18 wherein the server computer further performs the steps of:

β sending electronic messages to the users computer detailing receipt of additional chemical compound lot specification data that meets said chemical compound requirements of the users.

20. (Original) The device of claim 19 wherein said electronic messages are email messages.

21. (Original) The device of claim 16 wherein said chemical compound lot specification data includes component chemical compound specification data for all chemical compounds used to produce said chemical compound lot, and wherein said providing an electronic listing step identifies those chemical compound lots that were produced using chemical compounds that fail to meet said chemical compound requirements of the users.

22. (Original) The device of claim 16 wherein the server computer further performs

the steps of:

providing chemical compound toxicity data to the user's computer for said chemical compound lots that satisfy said chemical compound requirements specification.

23. (Original) The device of claim 16 wherein the server computer further performs the steps of:

providing material safety data sheet information for said chemical compound lots that satisfy said chemical compound requirements specification.

24. (Original) The device of claim 16 wherein the server computer further performs the steps of:

receiving approved supplier lists from each of the users; and  
providing an electronic list of said chemical compound lots to the users that satisfy said chemical compound requirements specification of the users and that are available from suppliers found in said approved supplier list.

25. (Original) The device of claim 16 wherein the server computer further performs the steps of:

receiving chemical compound lot sale data from said suppliers including the name of the purchaser thereof for a particular chemical compound lot;

receiving a chemical compound history tracking request from one of the users; and

generating a chemical compound lot tracking history for said particular chemical compound lot detailing the history of said chemical compound lot including the source thereof,



and all of said suppliers and the users known to have purchased or processed said particular chemical compound lot.

26. (Original) The device of claim 16 wherein the server computer further performs the steps of:

receiving chemical compound lot usage and source data from one of the users;

receiving a chemical compound history tracking request from one of the users;

generating a chemical compound lot tracking history data compilation for one of said chemical compound lots detailing the history of said chemical compound lot including the source thereof, and all of said suppliers and the users known to have purchased or processed said particular chemical compound lot; and

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sending said electronic chemical compound lot tracking history data compilation to the user's computer that requested same.

27. (Original) The device of claim 16 wherein the server computer further performs the steps of:

receiving chemical compound lot reservation data from one of the users in response to said providing an electronic listing step and storing said chemical compound lot reservation data on said server, said chemical compound lot reservation data specifying a quantity to be reserved for a particular one of said chemical compound lots listed in said electronic listing; and

storing said chemical compound lot reservation data in conjunction with a corresponding one of said chemical compound lot specification data for later recall.

28. (Original) The device of claim 27 wherein the server computer further performs the steps of:

sending an electronic reservation confirmation message to said one of the users in response to said receiving chemical compound lot reservation data step, said electronic reservation confirmation message describing said chemical compound lot and said quantity reserved for said one of said users.

29. (Currently Amended) The device of claim 28 [29] wherein the server computer further performs the steps of:

sending an electronic reservation notification message to said supplier of a particular one of said chemical compound lots in response to said receiving chemical compound lot reservation data step, said electronic reservation notification message describing said chemical compound lot, the name of and said quantity reserved by said one of said users.

30. (Original) The method of claim 16 wherein said suppliers and said users access said server system using modem based telephone dial-up computer communication connections.

31. (Original) The method of claim 16 wherein said suppliers and said users access said server system via Internet service providers.

32. (New) A method comprising:

providing a chemical compound data information server system accessible over a

network, said server system having a database containing a plurality of certificates of analysis and related chemical compound lot specification data from a plurality of suppliers;

from the database, retrieving a first certificate of analysis of a first supplier based on input received from a first user;

displaying the first certificate of analysis to the first user in a printable form;

from the database, retrieving a second certificate of analysis of a second supplier based on input received from a second user; and

displaying the second certificate of analysis to the second user in a printable form.

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33. (New) The method of claim 32, wherein the first supplier is located in a different country than the first user.

34. (New) The method of claim 32, wherein the input received from the first and second user includes at least a portion of the chemical compound lot specification data related to the corresponding first and second certificate of analysis.

35. (New) The method of claim 32, wherein the chemical compound lot specification data related to each of the plurality of certificates of analysis includes chemical ingredients and a corresponding chemical compound lot number.

36. (New) The method of claim 32, wherein the network is the Internet.